

**Chapter 14 The Human Genome****Section Review 14-2****Reviewing Key Concepts**

**Short Answer** *On the lines provided, answer the following questions.*

1. What is a sex-linked disorder?

---

---

2. Under what condition is a single recessive allele expressed in a male?

---

---

3. Why are females less likely to show a trait caused by a recessive allele linked to an X chromosome?

---

---

4. What common error in meiosis leads to the production of gametes with abnormal numbers of chromosomes?

---

---

**Reviewing Key Skills**

5. **Drawing Conclusions** Why could you conclude that the X chromosome is essential for the development of a human embryo, but the Y chromosome is not?

---

---

---

6. **Inferring** If you know that a woman has hemophilia, what can you infer about her parents' genotypes?

---

---

---

7. **Calculating** A man and woman with normal vision decide to have children. The woman's father is colorblind. What is the chance that their daughters and sons will be colorblind?

---

---

---